

Fusion Proteins for Targeted Delivery of Antimicrobial Peptides.ST25.txt
SEQUENCE LISTING

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<120> Fusion Proteins for Targeted Delivery of Antimicrobial Peptides

<130> 22851-033

<150> US 09/378,577

<151> 1999-08-20

<160> 15

<170> PatentIn version 3.1

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<212> DNA

<213> Synthetic-Murine

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tccagtgt gat agc cac gct aag cgg cac cac gga tat aag cgg aag ttc 110
Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe

Fusion Proteins for Targeted Delivery of Antimicrobial Peptides.ST25.txt

1	5	10	
cac gag aag cac cac tcg cac aga gga tac tct ggt ggc ggt ggc tcg			158
His Glu Lys His His Ser His Arg Gly Tyr Ser Gly Gly Gly Gly Ser			
15	20	25	30
ggc gga ggt ggg tcg ggt ggc ggc gga tcc gac gtg aag ctt gtg gag			206
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Val Lys Leu Val Glu			
	35	40	45
tct ggg gga ggc tta gtg aac cct gga ggg tcc ctg aaa ctc tcc tgt			254
Ser Gly Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys			
	50	55	60
gca gcc tct gga ttc act ttc agt agc tat acc atg tct tgg gtt cgc			302
Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met Ser Trp Val Arg			
	65	70	75
gag act ccg gag aag agg ctg gag tgg gtc gca tcc att agt agt ggt			350
Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly			
	80	85	90
ggg act tac acc tac tat cca gac agt gtg aag ggc cga ttc acc atc			398
Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile			
	95	100	105
tcc aga gac aat gcc aag aac acc ctg tac ctg caa atg acc agt ctg			446
Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu			
	115	120	125
aag tct gag gac aca gcc atg tat tac tgt tca aga gat gac ggc tcc			494
Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp Gly Ser			
	130	135	140
tac ggc tcc tat tac tat gct atg gac tac tgg ggt caa gga acc tca			542
Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser			
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gtc acc gtc tct tca gct agc			563
Val Thr Val Ser Ser Ala Ser			
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Fusion Proteins for Targeted Delivery of Antimicrobial Peptides.ST25.txt
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Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
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Lys His His Ser His Arg Gly Tyr
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<210> 4

<211> 125

<212> PRT

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35 40 45

Ala Ser Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Fusion Proteins for Targeted Delivery of Antimicrobial Peptides.ST25.txt
Leu Gln Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ser Arg Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr
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Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser
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Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr
1 5 10

tct ggt ggc ggt ggc tcg ggc gga ggt ggg tcg ggt ggc ggc gga tcc 158
Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
15 20 25 30

gac gtg aag ctt gtg gag tct ggg gga ggc tta gtg aac cct gga ggg 206
Asp Val Lys Leu Val Glu Ser Gly Gly Gly Leu Val Asn Pro Gly Gly

Fusion Proteins for Targeted Delivery of Antimicrobial Peptides.ST25.txt

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tcc ctg aaa ctc tcc tgt gca gcc tct gga ttc act ttc agt agc tat				254
Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr				
	50	55	60	
acc atg tct tgg gtt cgc cag act ccg gag aag agg ctg gag tgg gtc				302
Thr Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val				
	65	70	75	
gca tcc att agt agt ggt ggt act tac acc tac tat cca gac agt gtg				350
Ala Ser Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val				
	80	85	90	
aag ggc cga ttc acc atc tcc aga gac aat gcc aag aac acc ctg tac				398
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr				
	95	100	105	110
ctg caa atg acc agt ctg aag tct gag gac aca gcc atg tat tac tgt				446
Leu Gln Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys				
	115	120	125	
tca aga gat gac ggc tcc tac ggc tcc tat tac tat gct atg gac tac				494
Ser Arg Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr				
	130	135	140	
tgg ggt caa gga acc tca gtc acc gtc tct tca gct agc				533
Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser				
	145	150	155	

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<210> 7
 <211> 16
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<400> 7

Fusion Proteins for Targeted Delivery of Antimicrobial Peptides.ST25.txt

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20 25 30

Thr Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val
35 40 45

Ala Ser Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ser Arg Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr
100 105 110

Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser
115 120 125

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Fusion Proteins for Targeted Delivery of Antimicrobial Peptides.ST25.txt

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ggcggatccg acgtgaagct tgtggagtc 89

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<211> 84
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cggatccgac gtgaagcttg tggagtc 87

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<210> 14
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tccag 65

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